# Selection Sort

```cpp
#include <iostream>
using namespace std;

void selectionSort(int arr[], int n)
{
    int i, j, min;

    for (i = 0; i < n - 1; i++)
    {
        min = i;
        for (j = i + 1; j < n; j++)
        {
            if (arr[j] < arr[min])
                min = j;
        }

        if (min != i)
        {
            swap(arr[min], arr[i]);
        }
    }
}

void printArray(int arr[], int n)
{
    for (int i = 0; i < n; i++)
    {
        cout << arr[i] << " ";
    }
        cout << endl;
}

int main()
{
    int arr[] = { 64, 25, 12, 22, 11 };
    int n = sizeof(arr) / sizeof(arr[0]);

    selectionSort(arr, n);
    cout << "Sorted array: ";
    printArray(arr, n);
    return 0;
}
```